Claims

We claim:

1.   A method of configuring a server computer having a connection pool, comprising:

    initializing a connection pool;

5   generating heuristic override information; and

    modifying the connection pool using the heuristic override information.

2.   The method of claim 1, wherein the connection pool is initialized using a plurality of initial settings.

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3.   The method of claim 1, wherein the plurality of initial settings comprises a maximum number of connections.

4.   The method of claim 1, wherein the heuristic override information comprises a heuristic 15 override setting and a time period.

5.   The method of claim 4, wherein the heuristic override setting comprises a maximum number of connections.

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6.   The method of claim 5, wherein the time period comprises at least one of a time of day, a day of week, and a day of year.

7.   A method of operating a server, comprising:

5   initializing a connection pool with an initial maximum number of connections;

            applying heuristic information to modify the maximum number of connections;

            in response to receiving a request to connect:

                detecting a current number of connections; and

                if the current number of connections is less than the maximum number of
10   connections, creating a new connection.

8.   The method of claim 7, further comprising:

            detecting a connection having an unused time greater than a time-out value; and

            deleting the connection.

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9.   The method of claim 7, wherein the heuristic information comprises a maximum number of connections override and a time period.

10. The method of claim 7, further comprising

in response to receiving a request to connect, resetting an unused time associated with every available connections.

5 11. The method of claim 7, further comprising if the current number of connections is greater than or equal to the maximum number of connections, waiting for a connection to become available.

12. The method of claim 7, further comprising in response to receiving a close connection

10 request for a connection, indicating the connection as available.

13. The method of claim 7, wherein the connection pool comprises Java Database Connectivity connections.

15 14. The method of claim 7, wherein the connection pool comprises Java 2 Connector connections.

15.   A computer program product, comprising:

(a) a program configured to perform a method of operating a server, comprising:

initializing a connection pool with an initial maximum number of connections;

applying heuristic information to modify the maximum number of connections;

in response to receiving a request to connect:

detecting a current number of connections; and

if the current number of connections is less than the maximum number of connections, creating a new connection; and

(b) a signal bearing media bearing the program.

16.   The computer program product of claim 15, wherein the program comprises an application server.

17.   The computer program product of claim 15, wherein the signal bearing media is chosen from the group consisting of: information permanently stored on non-writable storage media; alterable information stored on writable storage media; and information conveyed to a computer by a communications medium.

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18. A method of managing a connection pool, the method comprising:

instructing a computing device to initialize a connection pool; and

instructing the computing device to modify the connection pool using heuristic override information.

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19. The method of claim 18, further comprising generating the heuristic override information.

20. The method of claim 18, wherein the heuristic override information comprises a
10 maximum number of connections and a time period.